



STATE OF VERMONT
AGENCY OF TRANSPORTATION
CONSTRUCTION AND
MATERIALS BUREAU
CENTRAL LABORATORY

BORING LOG

Waterford
BF 0225(5)
VT 18 Br. 2

Boring No.: B-101
Page No.: 1 of 1
Pin No.: 15b051
Checked By: END

Boring Crew: Judkins, Gomes
Date Started: 8/11/16 Date Finished: 8/11/16
VTSPG NAD83: N 673406.24 ft E 1799772.82 ft
Station: 3+52.29 Offset: -12.88
Ground Elevation: 724.4 ft

Casing: WB Sampler: SS
Type: WB I.D.: 3 in 1.5 in
Hammer Wt: N.A. 140 lb.
Hammer Fall: N.A. 30 in.
Hammer/Rod Type: Auto/AWJ
Rig: CME 45C SKIDSUB>><<SUB>> = 1.42

Groundwater Observations		
Date	Depth (ft)	Notes
08/11/16	21.2	W.T. during drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Asphalt Pavement, 0.0 ft - 0.2 ft	9-18-15 (27)	6.3	43.8	40.4	15.8
		A-1-b, SaGr, brn, Moist, Rec. = 1.0 ft, Lab Note: Broken rock was within sample					
		A-2-4, GrSiSa, brn, Moist, Rec. = 1.3 ft	20-38-14-11 (52)	8.8	21.0	55.4	23.6
5		Field Note: BXDC, Cleaned out casing					
		Field Note: No Recovery	12-12-10-12 (22)				
		A-2-4, GrSa, brn, Moist, Rec. = 1.4 ft	12-9-11-12 (20)	12.6	20.8	59.4	19.8
		A-2-4, Sa, brn, Moist, Rec. = 1.2 ft	8-6-4-5 (10)	11.4	12.2	69.7	18.1
10		A-2-4, Sa, brn, Moist, Rec. = 1.0 ft	8-8-8-9 (16)	10.3	8.2	79.8	12.0
		A-1-b, Sa, brn, Moist, Rec. = 1.0 ft	4-3-3-2 (6)	14.9	10.0	83.4	6.6
15		A-3, Sa, brn, Moist, Rec. = 0.1 ft	2-1-3-3 (4)	17.4	14.5	77.3	8.2
		A-1-b, SaGr, brn, Moist, Rec. = 0.6 ft	3-2-5-3 (7)	13.2	52.8	37.7	9.5
		Field Note: No Recovery	4-6-11-7 (17)				
20		Field Note: BXDC, Cleaned out casing					
		A-1-a, SaGr, brn, Moist, Rec. = 0.5 ft	6-9-7-4 (16)	9.7	62.3	26.7	11.0
		Field Note: BXDC, Cleaned out casing					
25		A-2-4, SaSiGr, gry, Moist, Rec. = 1.2 ft, Lab Note: Broken rock was within sample	24-23-21-20 (44)	10.1	37.1	31.0	31.9
		Field Note: BXDC, Cleaned out casing					
30		A-4, SaSi, gry, Moist, Rec. = 0.6 ft, Lab Note: Broken rock was within sample	17-R@2.5" (R)	12.0	19.0	32.6	48.4
		Field Note: BXDC, Cleaned out casing					
35		A-4, SaGrSi, gry, Moist, Rec. = 0.9 ft, Lab Note: Broken rock was within sample	42-R@5" (R)	14.3	25.2	22.1	52.7
		Field Note: BXDC, Cleaned out casing					
40		A-4, SaSi, gry, Moist, Rec. = 0.9 ft	32-R@5" (R)	8.1	13.3	35.7	51.0
		Hole stopped @ 40.9 ft					
45		Remarks: Hole collapsed at 1.9 feet.					

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
 <<SUB>><<SUB>> is the hammer energy correction factor.
 3. Water level readings have been made at times and under conditions stated. Fluctuations may occur due to other factors than those present at the time measurements were made.



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Boring No.: **B-102**

Page No.: 1 of 1

Pin No.: 15b051

Checked By: END

Boring Crew: Judkins, Gomes

Date Started: 8/10/16 Date Finished: 8/10/16

VTSPG NAD83: N 673461.06 ft E 1799766.83 ft

Station: 4+3.18 Offset: 9.12

Ground Elevation: 726.2 ft

Type: WB Sampler SS
 I.D.: 3 in 1.5 in
 Hammer Wt: N.A. 140 lb.
 Hammer Fall: N.A. 30 in.
 Hammer/Rod Type: Auto/AWJ
 Rig: CME 45C SKIDSUB>><<SUB>> = 1.42

Groundwater Observations

Date	Depth (ft)	Notes
09/10/16	12.8	W.T. during drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Asphalt Pavement, 0.0 ft - 0.35 ft					
		A-1-a, SaGr, Rec. = 0.8 ft, Lab Note: A lot of broken rock was within sample	-8-9-10 (17)	5.6	66.1	23.3	10.6
		A-1-a, Gr, Rec. = 0.3 ft, Lab Note: A lot of broken rock was within sample	10-R@5" (R)	1.6	79.9	13.6	6.5
		Field Note:, BXDC, Cleaned out casing					
5		Field Note:, No Recovery	12-11-7-6 (18)				
		Field Note:, BXDC, Cleaned out casing					
		Field Note:, No Recovery	5-5-7-6 (12)				
		Field Note:, No Recovery	4-3-4-6 (7)				
10		A-1-b, Sa, Rec. = 0.5 ft	7-11-7-7 (18)	14.3	7.9	82.4	9.7
		Field Note:, BXDC, Cleaned out casing					
		A-3, Sa, Rec. = 0.7 ft	5-3-2-6 (5)	14.5	5.8	87.3	6.9
15		A-2-4, Sa, Rec. = 0.3 ft	3-4-3-3 (7)	17.2	8.0	81.1	10.9
		A-2-4, Sa, Rec. = 0.3 ft	2-3-1-6 (4)	17.1	9.5	73.8	16.7
		A-1-b, SiSaGr, Rec. = 0.6 ft, Lab Note: Broken rock was within sample	18-8-11-23 (19)	11.1	52.8	26.8	20.4
20		Field Note:, BXDC, Cleaned out casing					
		Field Note:, No Recovery, Rock stuck in end of sampler	6-7-6-6 (13)				
		Field Note:, BXDC, Cleaned out casing					
25		A-4, GrSaSi, Rec. = 1.0 ft, Lab Note: Broken rock was within sample	30-28-30-R@2.5" (58)	11.2	26.1	29.5	44.4
		Field Note:, BXDC, Cleaned out casing					
30		A-4, GrSaSi, Rec. = 0.9 ft, Lab Note: Broken rock was within sample	45-R@5" (R)	11.1	20.6	34.0	45.4
		Field Note:, BXDC, Cleaned out casing					
35		A-2-4, SiGrSa, Rec. = 1.0 ft, Lab Note: Broken rock was within sample	22-46-R@3.5" (R)	9.7	34.5	35.5	30.0
		Field Note:, BXDC, Cleaned out casing					
40		A-4, GrSaSi, Rec. = 0.9 ft	34-R@5" (R)	8.3	20.1	27.7	52.2
		Hole stopped @ 40.9 ft					
45		Remarks: Hole Collapsed at 16.6 feet.					

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
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BORING LOG - Z-WATERFORD BF 0225(5).GPJ VERMONT AOT.GDT 9/19/16